

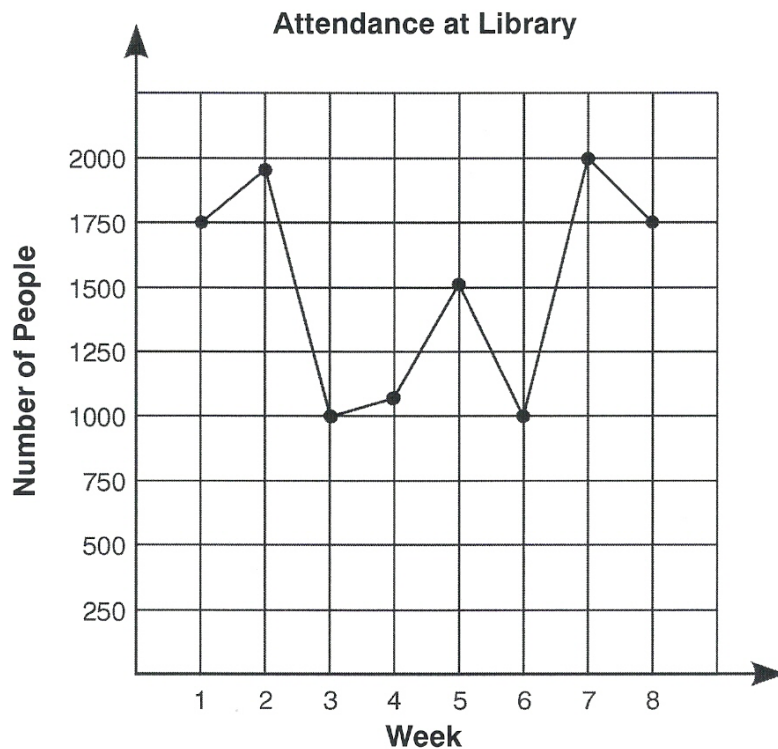
Grade 5

DIIB1: Find the mean, median, and mode of a numerical data set and explain what each indicates about the data set.

DIC2: Construct and interpret tables and line graphs for data sets from applied situations.

Key: B (1500)

The graph shows the number of people who visited the library each week over an eight-week period.



Which is the best estimate of the mean number of people visiting the library in one week?

- ☐ 1000
- ☐ 1500
- ☐ 1650
- ☐ 1750

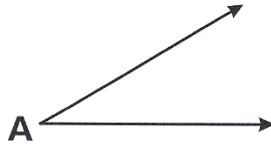
Choice analysis:

- A. Picked lowest point on graph
- B. Key
- C. Plausible option, but incorrect
- D. Picked end-points of graph

Grade 5

MIA2: Identify, describe, and draw right, acute, and obtuse angles

Key: A (acute)



What kind of angle is angle A?

- ☐ an acute angle
- ☐ a right angle
- ☐ an obtuse angle
- ☐ a left angle

Choice analysis:

- A. key
- B. Plausible option, but incorrect
- C. Plausible option, but incorrect
- D. Plausible option, but incorrect

Grade 5

DIVB1: Identify, describe, and draw right, acute, and obtuse angles

Key: C ($\frac{4}{9}$)

There are 3 blue marbles, 4 green marbles, and 2 yellow marbles in a bag. If you took a marble out of the bag without looking, what is the probability that you would get a green marble?

☐ $\frac{1}{3}$

☐ $\frac{4}{5}$

☐ $\frac{4}{9}$

☐ $\frac{5}{4}$

Choice analysis:

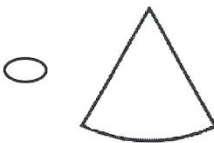
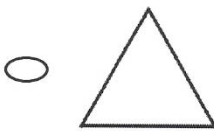
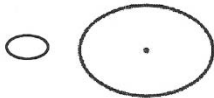
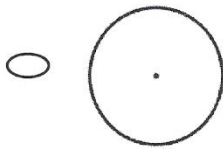
- A. One (color) used as numerator and three (colors) used as denominator
- B. Four green marbles used in numerator but five marbles that are other colors used as denominator instead of total number of marbles
- C. Key
- D. Reverses numerator and denominator; five marbles that are other colors used as numerator and four green marbles used in denominator

E. Grade 5

GIA1: Using models and appropriate vocabulary, compare and analyze attributes of polygons, attributes of polyhedra, and attributes of cones and cylinders.

Key: A

Sam put an empty ice cream cone upside down on a table. Then he stood over the cone and looked directly down on the point of the cone. Which picture shows what Sam saw?



Choice analysis:

- A. Key
- B. Familiar curved shape
- C. Familiar shape with a point at the top
- D. Side view of cone

Grade 5

NIIB1: Find the quotient and a remainder given a dividend of four digits or less and a divisor of two digits or less.

NIIF1: Create and solve problems involving addition, subtraction, multiplication, and division of whole numbers using appropriate methods and tools.

Key: C (16)

In our lunchroom, we have rectangular tables that seat 12 people on each of the long sides. No one sits on the short sides. There are 1152 students who eat in three shifts. How many tables need to be in our lunchroom?

- ☐ 96
- ☐ 48
- ☐ 32
- ☐ 16

Choice analysis:

- A. $1152 \div 12 = 96$
- B. $1152 \div 32 = 48$
- C. $1152 \div (12 \times 2) = 32$
- D. Key